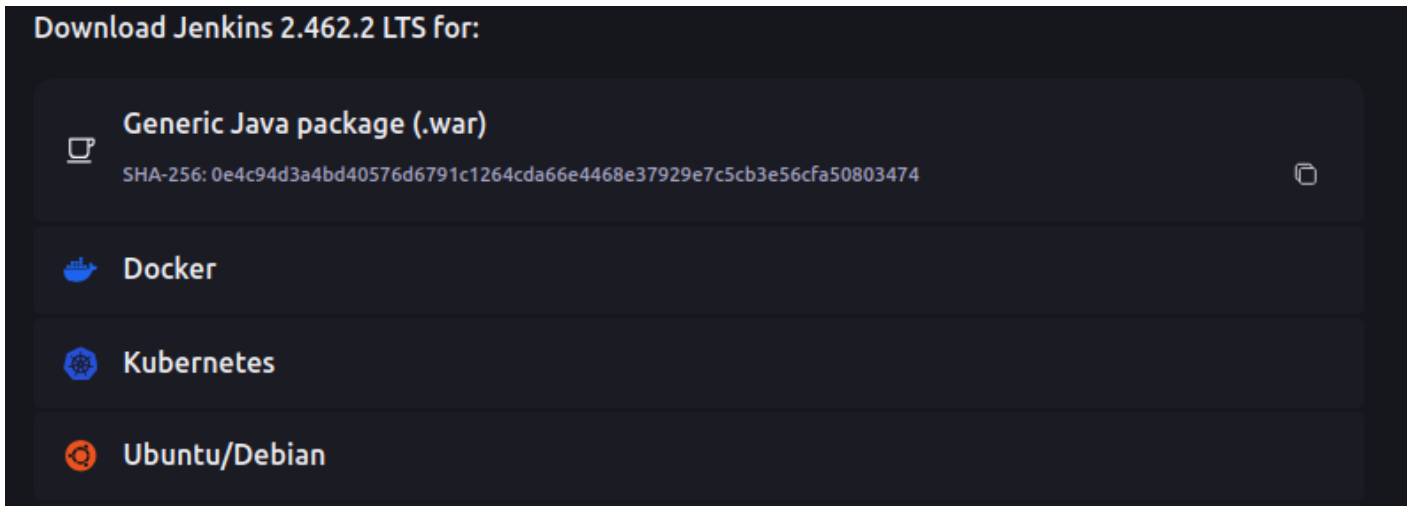


# Installing Jenkins

Go to Jenkins official website and download Jenkins for Ubuntu/debian.

<https://www.jenkins.io/download/>



Then run the commands that is shown in the page. It should look something like below:

## Jenkins Debian Packages

This is the Debian package repository of Jenkins to automate installation and upgrade. To use this repository, first add the key to your system (for the Weekly Release Line):

```
sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \  
https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
```

Then add a Jenkins apt repository entry:

```
echo "deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \  
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \  
/etc/apt/sources.list.d/jenkins.list > /dev/null
```

Update your local package index, then finally install Jenkins:

```
sudo apt-get update  
sudo apt-get install fontconfig openjdk-17-jre  
sudo apt-get install jenkins
```

NOTE: Don't need to run the following command since java is already installed previously.

```
$ sudo apt-get install fontconfig openjdk-17-jre
```

After successfully installing Jenkins, run the following command to start Jenkins.

```
$ sudo systemctl start jenkins
```

To see if Jenkins is running, run the following command.

```
$ sudo systemctl status jenkins
```

Then you will get something like this:

```
r2schools@ub2022:~$ sudo systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2022-12-29 21:43:37 IST; 17s ago
     Main PID: 5396 (java)
        Tasks: 52 (limit: 4584)
       Memory: 1.0G
          CPU: 1min 4.126s
      CGroup: /system.slice/jenkins.service
             └─5396 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/c

Dec 29 21:43:08 ub2022 jenkins[5396]: Jenkins initial setup is required. An admin user has been created and
Dec 29 21:43:08 ub2022 jenkins[5396]: Please use the following password to proceed to installation:
Dec 29 21:43:08 ub2022 jenkins[5396]: 91d838ee3a4541eeaf431f1f2e1bb99f
Dec 29 21:43:08 ub2022 jenkins[5396]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPasswo
Dec 29 21:43:08 ub2022 jenkins[5396]: *****
Dec 29 21:43:08 ub2022 jenkins[5396]: *****
```

IMPORTANT: Copy the password from above, you will need it when setting up Jenkins.

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